National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRO ANALYSTS AND ENGINEERS PVT. LTD., ROW HOUSE NO. 2, SHALOM GARDEN, 100 FEET KANAKIA ROAD, MIRA ROAD (EAST), THANE, MAHARASHTRA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/Waste water	Coliforms	IS 1622
2	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/Waste water	Escherichia coli	IS 1622
3	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/Waste water	Thermo tolerant coliform or Faecal coliform	IS 1622
4	BIOLOGICAL- WATER	Drinking Water	Coliforms	IS 15185
5	BIOLOGICAL- WATER	Drinking Water	Coliforms	ISO 9308-1
6	BIOLOGICAL- WATER	Drinking Water	Escherichia coli	IS 15185
7	BIOLOGICAL- WATER	Drinking Water	Escherichia coli	ISO 9308-1
8	BIOLOGICAL- WATER	Ground Water/ Surface Water	Coliforms	IS 1622
9	BIOLOGICAL- WATER	Ground Water/ Surface Water	Escherichia coli	IS 1622
10	BIOLOGICAL- WATER	Ground Water/ Surface Water	Thermo tolerant coliforms or Faecal coliforms	IS 1622
11	BIOLOGICAL- WATER	Water for Swimming Pool and Spas	Coliforms	IS 3328
12	BIOLOGICAL- WATER	Water for Swimming Pool and Spas	Standard plate count	IS 3328
13	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (NH3)	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Vol. I Page no. 35-38, NAAQS/36/2012-2013
14	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO2)	IS 5182 (Part 6) Jacob and Hochheiser method
15	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Vol. I Page no. 31-37, NAAQS/36/2012-2013
16	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM10)	IS 5182 (Part 23)
17	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM2.5)	IS 5182 (Part 24)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part 2) West and Gaeke method
19	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels (Excluding vibration)	Equivalent Sound Level Leq in dB(A) in Ambient Air	EAEPL/LAB/SOP/NOISE/02

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20	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Levels	A-Weighted Sound Pressure Level in dB(A) at 1 m from Enclosure Surface	EAEPL/LAB/SOP/NOISE/01
21	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen (NOx)	IS 11255 (Part 7)
22	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (Part 1)
23	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur Dioxide	IS 11255 (Part 2)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen	APHA 4500-NH3 F (23rd Edition) (Phenate method)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen	IS 3025 (Part 34)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biochemical oxygen demand (3 Days at 27°C)	IS 3025 (Part 44)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical oxygen demand	IS 3025 (Part 58)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Electrical Conductivity	IS 3025 (Part 14)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil & Grease	IS 3025 (Part 39)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	IS 3025 (Part 11)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids	IS 3025 (Part 16)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Kjeldahl Nitrogen	IS 3025 (Part 34)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids	IS 3025 (Part 17)
34	CHEMICAL- SOIL AND ROCK	Clays & Soils	Arsenic (As)	EPA 3050B
35	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Nitrogen	EAEPL/LAB/SOP/SOIL/12
36	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Phosphorous	EAEPL/LAB/SOP/SOIL/11
37	CHEMICAL- SOIL AND ROCK	Clays & Soils	Bulk Density	EAEPL/LAB/SOP/SOIL/01

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- SOIL AND ROCK	Clays & Soils	Cadmium (Cd)	EPA 3050B
39	CHEMICAL- SOIL AND ROCK	Clays & Soils	Calcium as Ca (Exchangeable)	EPA 9080
40	CHEMICAL- SOIL AND ROCK	Clays & Soils	Chlorides	EAEPL/LAB/SOP/SOIL/03
41	CHEMICAL- SOIL AND ROCK	Clays & Soils	Chromium (Cr)	EPA 3050B
42	CHEMICAL- SOIL AND ROCK	Clays & Soils	Copper (Cu)	EPA 3050B
43	CHEMICAL- SOIL AND ROCK	Clays & Soils	Dissolved Calcium	EAEPL/LAB/SOP/SOIL/18
44	CHEMICAL- SOIL AND ROCK	Clays & Soils	Dissolved Magnesium	EAEPL/LAB/SOP/SOIL/14
45	CHEMICAL- SOIL AND ROCK	Clays & Soils	Electrical Conductivity (1:2 Soil:Water)	IS 14767
46	CHEMICAL- SOIL AND ROCK	Clays & Soils	Iron (Fe)	EPA 3050B
47	CHEMICAL- SOIL AND ROCK	Clays & Soils	Lead (Pb)	EPA 3050B
48	CHEMICAL- SOIL AND ROCK	Clays & Soils	Magnesium as Mg (Exchangeable)	EPA 9080
49	CHEMICAL- SOIL AND ROCK	Clays & Soils	Mangnese	EPA 3050B
50	CHEMICAL- SOIL AND ROCK	Clays & Soils	Mercury (Hg)	EPA 3050B
51	CHEMICAL- SOIL AND ROCK	Clays & Soils	Moisture Content	IS 2720 (Part 2)
52	CHEMICAL- SOIL AND ROCK	Clays & Soils	Nickel	EPA 3050B
53	CHEMICAL- SOIL AND ROCK	Clays & Soils	Organic Carbon	IS 2720 (Part 22)
54	CHEMICAL- SOIL AND ROCK	Clays & Soils	Organic Matter	IS 2720 (Part 22)
55	CHEMICAL- SOIL AND ROCK	Clays & Soils	pH	IS 2720 (Part 26)
56	CHEMICAL- SOIL AND ROCK	Clays & Soils	Potassium (K)	EPA 3050B

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57	CHEMICAL- SOIL AND ROCK	Clays & Soils	Selenium (Se)	EPA 3050B
58	CHEMICAL- SOIL AND ROCK	Clays & Soils	Sodium (Na)	EPA 3050B
59	CHEMICAL- SOIL AND ROCK	Clays & Soils	Sulphate	IS 2720 (Part 27)
60	CHEMICAL- SOIL AND ROCK	Clays & Soils	Total Kjeldhal Nitrogen	IS 14684
61	CHEMICAL- SOIL AND ROCK	Clays & Soils	Water Holding Capacity	EAEPL/LAB/SOP/SOIL/10
62	CHEMICAL- SOIL AND ROCK	Clays & Soils	Zinc (Zn)	EPA 3050B
63	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	APHA 4500-NH3 F (23rd Edition) (Phenate method)
64	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	IS 3025 (Part 34)
65	CHEMICAL- WATER	Drinking Water	Arsenic (As)	IS 3025 (Part 2)
66	CHEMICAL- WATER	Drinking Water	Boron	IS 3025 (Part 57) (Colorimetric Curcumin Method)
67	CHEMICAL- WATER	Drinking Water	Cadmium (Cd)	IS 3025 (Part 2)
68	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40)
69	CHEMICAL- WATER	Drinking Water	Calcium Hardness (as mg CaCO3/L)	IS 3025 (Part 40)
70	CHEMICAL- WATER	Drinking Water	Chloride as Cl-	IS 3025 (Part 32) (Argentometric method)
71	CHEMICAL- WATER	Drinking Water	Chromium (Cr)	IS 3025 (Part 2)
72	CHEMICAL- WATER	Drinking Water	Chromium Hexavalent as Cr6+	APHA 3500-Cr B (23rd Edition) (Colorimetric method)
73	CHEMICAL- WATER	Drinking Water	Color	IS 3025 (Part 4)
74	CHEMICAL- WATER	Drinking Water	Copper (Cu)	IS 3025 (Part 2)
75	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS 3025 (Part 38) (Winkler method)
76	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS 3025 (Part 14)
77	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 4500 F-D (23rd Edition) (SPADNS Method)
78	CHEMICAL- WATER	Drinking Water	Iron (Fe)	IS 3025 (Part 2)
79	CHEMICAL- WATER	Drinking Water	Lead (Pb)	IS 3025 (Part 2)

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80	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 (Part 46)
81	CHEMICAL- WATER	Drinking Water	Manganese (Mn)	IS 3025 (Part 2)
82	CHEMICAL- WATER	Drinking Water	Mercury (Hg)	IS 3025 (Part 2)
83	CHEMICAL- WATER	Drinking Water	Nickel (Ni)	IS 3025 (Part 2)
84	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	APHA 4500- NO3 B (23rd Edition) (Ultraviolet Spectrophotometric screening method)
85	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
86	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
87	CHEMICAL- WATER	Drinking Water	Phenol	IS 3025 (Part 43) : Sec 1 : (4-Aminioantipyrene method without Chloroform Extraction)
88	CHEMICAL- WATER	Drinking Water	Phosphate as PO4	IS 3025 (Part 31): Sec 1 (Vanadomolybdo-Phosphoric Acid Method)
89	CHEMICAL- WATER	Drinking Water	Potassium	IS 3025 (Part 2)
90	CHEMICAL- WATER	Drinking Water	Residual Chlorine	IS 3025 (Part 26)
91	CHEMICAL- WATER	Drinking Water	Selenium (Se)	IS 3025 (Part 2)
92	CHEMICAL- WATER	Drinking Water	Silica	IS 3025 (Part 35) (Molybdosilicate Method)
93	CHEMICAL- WATER	Drinking Water	Sodium	IS 3025 (Part 2)
94	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24) : Sec 1 : (Turbidity Method)
95	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (Part 8)
96	CHEMICAL- WATER	Drinking Water	Total Acidity	IS 3025 (Part 22)
97	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS 3025 (Part 23)
98	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
99	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part 21)
100	CHEMICAL- WATER	Drinking Water	Total Kjeldahl Nitrogen	IS 3025 (Part 34)
101	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
102	CHEMICAL- WATER	Drinking Water	Zinc (Zn)	IS 3025 (Part 2)
103	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen	APHA 4500-NH3 F (23rd Edition) (Phenate method)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
104	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen	IS 3025 (Part 34)
105	CHEMICAL- WATER	Ground Water	Arsenic (As)	IS 3025 (Part 2)
106	CHEMICAL- WATER	Ground Water	Boron	IS 3025 (Part 57) (Colorimetric Curcumin Method)
107	CHEMICAL- WATER	Ground Water	Cadmium (Cd)	IS 3025 (Part 2)
108	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS 3025 (Part 40)
109	CHEMICAL- WATER	Ground Water	Calcium Hardness (as mg CaCO3/L)	IS 3025 (Part 40)
110	CHEMICAL- WATER	Ground Water	Chloride as Cl	IS 3025 (Part 32) (Argentometric method)
111	CHEMICAL- WATER	Ground Water	Chromium (Cr)	IS 3025 (Part 2)
112	CHEMICAL- WATER	Ground Water	Chromium Hexavalent as Cr6+	APHA 3500-Cr B (23rd Edition) (Colorimetric method)
113	CHEMICAL- WATER	Ground Water	Color	IS 3025 (Part 4)
114	CHEMICAL- WATER	Ground Water	Copper (Cu)	IS 3025 (Part 2)
115	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS 3025 (Part 38) (Winkler method)
116	CHEMICAL- WATER	Ground Water	Electrical Conductivity	IS 3025 (Part 14)
117	CHEMICAL- WATER	Ground Water	Fluoride	APHA 4500 F-D (23rd Edition) (SPADNS Method)
118	CHEMICAL- WATER	Ground Water	Iron (Fe)	IS 3025 (Part 2)
119	CHEMICAL- WATER	Ground Water	Lead (Pb)	IS 3025 (Part 2)
120	CHEMICAL- WATER	Ground Water	Magnesium as Mg	IS 3025 (Part 46)
121	CHEMICAL- WATER	Ground Water	Manganese(Mn)	IS 3025 (Part 2)
122	CHEMICAL- WATER	Ground Water	Mercury (Hg)	IS 3025 (Part 2)
123	CHEMICAL- WATER	Ground Water	Nickel (Ni)	IS 3025 (Part 2)
124	CHEMICAL- WATER	Ground Water	Nitrate as NO3	APHA 4500- NO3 B (23rd Edition) (Ultraviolet Spectrophotometric screening method)
125	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
126	CHEMICAL- WATER	Ground Water	Phenol	IS 3025 (Part 43): Sec 1: (4-Aminioantipyrene method without Chloroform Extraction)

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127	CHEMICAL- WATER	Ground Water	Phosphate as PO4	IS 3025 (Part 31): Sec 1: (Vanadomolybdo-Phosphoric Acid Method)
128	CHEMICAL- WATER	Ground Water	Potassium (K)	IS 3025 (Part 2)
129	CHEMICAL- WATER	Ground Water	Residual Chlorine	IS 3025 (Part 26)
130	CHEMICAL- WATER	Ground Water	Selenium (Se)	IS 3025 (Part 2)
131	CHEMICAL- WATER	Ground Water	Silica	IS 3025 (Part 35) (Molybdosilicate Method)
132	CHEMICAL- WATER	Ground Water	Sodium (Na)	IS 3025 (Part 2)
133	CHEMICAL- WATER	Ground Water	Sulphate	IS 3025 (Part 24): Sec 1:(Gravimetric and Turbidity Method)
134	CHEMICAL- WATER	Ground Water	Total Acidity	IS 3025 (Part 22)
135	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
136	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
137	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	IS 3025 (Part 21)
138	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen	IS 3025 (Part 34)
139	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
140	CHEMICAL- WATER	Ground Water	Zinc (Zn)	IS 3025 (Part 2)
141	CHEMICAL- WATER	Surface Water	Residual Chlorine	IS 3025 (Part 26)
142	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen	APHA 4500-NH3 F (23rd Edition) (Phenate method)
143	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen	IS 3025 (Part 34)
144	CHEMICAL- WATER	Surface Water	Arsenic (As)	IS 3025 (Part 2)
145	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand (3 Days at 27°C)	IS 3025 (Part 44)
146	CHEMICAL- WATER	Surface Water	Boron	IS 3025 (Part 57) (Colorimetric Curcumin Method)
147	CHEMICAL- WATER	Surface Water	Cadmium (Cd)	IS 3025 (Part 2)
148	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part 40)
149	CHEMICAL- WATER	Surface Water	Calcium Hardness (as mg CaCO3/L)	IS 3025 (Part 40)
150	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 (Part 58)

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151	CHEMICAL- WATER	Surface Water	Chloride as Cl	IS 3025 (Part 32) (Argentometric method)
152	CHEMICAL- WATER	Surface Water	Chromium (Cr)	IS 3025 (Part 2)
153	CHEMICAL- WATER	Surface Water	Chromium Hexavalent as Cr6+	APHA 3500-Cr B (23rd Edition) (Colorimetric method)
154	CHEMICAL- WATER	Surface Water	Color	IS 3025 (Part 4)
155	CHEMICAL- WATER	Surface Water	Copper (Cu)	IS 3025 (Part 2)
156	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part 38) (Winkler Method)
157	CHEMICAL- WATER	Surface Water	Electrical Conductivity	IS 3025 (Part 14)
158	CHEMICAL- WATER	Surface Water	Fluoride	APHA 4500 F-D (23rd Edition) (SPADNS Method)
159	CHEMICAL- WATER	Surface Water	Iron (Fe)	IS 3025 (Part 2)
160	CHEMICAL- WATER	Surface Water	Lead (Pb)	IS 3025 (Part 2)
161	CHEMICAL- WATER	Surface Water	Magnesium as Mg	IS 3025 (Part 46)
162	CHEMICAL- WATER	Surface Water	Manganese (Mn)	IS 3025 (Part 2)
163	CHEMICAL- WATER	Surface Water	Mercury (Hg)	IS 3025 (Part 2)
164	CHEMICAL- WATER	Surface Water	Nickel (Ni)	IS 3025 (Part 2)
165	CHEMICAL- WATER	Surface Water	Nitrate as NO3	APHA 4500- NO3 B (23rd Edition) (Ultraviolet Spectrophotometric screening method)
166	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part 11)
167	CHEMICAL- WATER	Surface Water	Phenol	IS 3025 (Part 43) :Sec 1:(4-Aminioantipyrene method without Chloroform Extraction)
168	CHEMICAL- WATER	Surface Water	Phosphate as PO4	IS 3025 (Part 31) (Vanadomolybdo-Phosphoric Acid Method)
169	CHEMICAL- WATER	Surface Water	Potassium (K)	IS 3025 (Part 2)
170	CHEMICAL- WATER	Surface Water	Selenium (Se)	IS 3025 (Part 2)
171	CHEMICAL- WATER	Surface Water	Silica	IS 3025 (Part 35) (Molybdosilicate Method)
172	CHEMICAL- WATER	Surface Water	Sodium (Na)	IS 3025 (Part 2)
173	CHEMICAL- WATER	Surface Water	Sulphate	IS 3025 (Part 24) : Sec 1 : (Turbidity Method)

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174	CHEMICAL- WATER	Surface Water	Total Acidity	IS 3025 (Part 22)
175	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
176	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 (Part 16)
177	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	IS 3025 (Part 21)
178	CHEMICAL- WATER	Surface Water	Total Kjeldhal Nitrogen	IS 3025 (Part 34)
179	CHEMICAL- WATER	Surface Water	Total Suspended Solids	IS 3025 (Part 17)
180	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)
181	CHEMICAL- WATER	Surface Water	Zinc (Zn)	IS 3025 (Part 2)
182	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 (Part 32) (Argentometric method)
183	CHEMICAL- WATER	Water for construction purpose	Fixed Residue	IS 3025 (Part 18)
184	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)
185	CHEMICAL- WATER	Water for construction purpose	Sulphate	IS 3025 (Part 24) : Sec 1 (Gravimetric and Turbidity Method)
186	CHEMICAL- WATER	Water for construction purpose	Total Acidity	IS 3025 (Part 22)
187	CHEMICAL- WATER	Water for construction purpose	Total Alkalinity	IS 3025 (Part 23)
188	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 (Part 17)
189	CHEMICAL- WATER	Water for construction purpose	Volatile Residue	IS 3025 (Part 18)